

**Listing of the Claims:**

The following is a complete listing of all the claims in the application, with an indication of the status of each:

- 1        1 (Original). Apparatus to determine prices of products priced by weight  
2        comprising:  
3                a camera for detecting and identifying a product by type;  
4                means for determining a volume of the product based on image  
5        information from the camera;  
6                a database of lookup tables of densities of a plurality of products; and  
7                a computer terminal which receives product type and volume of the  
8        product information and accesses the database to determine a density for the  
9        product, the computer terminal computing a weight of the product as a  
10       function of volume and density of the product and then computing a price of  
11       the product as a function of price/weight ratio.
  
- 1        2 (Original). The apparatus recited in claim 1, wherein the apparatus is part of  
2        a checkout station in a retail store.
  
- 1        3 (Original). The apparatus recited in claim 2, further comprising a display  
2        connected to the computer which displays the calculated price of the product.
  
- 1        4 (Original). The apparatus recited in claim 3, wherein the computer generates  
2        a running total of prices for a plurality of products as part of a single  
3        transaction and displays the running total on the display.
  
- 1        5 (Original). The apparatus recited in claim 3, further comprising a connected  
2        to the computer which prints the running total.

1       6 (Original). The apparatus recited in claim 1, wherein the computer terminal  
2       categorizes the product within one of a plurality of weight ranges, the price of  
3       the product being a function of the weight ranges.

1       7 (Original). A method of determining a product weight and calculating price  
2       comprising the steps of:  
3             detecting a product with a camera;  
4             identifying the product by type;  
5             determining a volume of the product from an image of the product;  
6             accessing a database of densities of a plurality of products and  
7       determining a density for the detected and identified product;  
8             calculating a weight of the product as a function of volume and density  
9       of the product; and  
10          calculating a price of the product as a function of the calculated weight  
11       and price/weight ratio.

1       8 (Original). The method recited in claim 7, further comprising the step of  
2       displaying the calculated price of the product.

1       9 (Original). The method recited in claim 8, further comprising the step of  
2       generating a running total of prices for a plurality of products as part of a  
3       single transaction.

1       10 (Original). The method recited in claim 9, further comprising the step of  
2       printing the running total upon completing of the transaction.

1       11 (Original). The method recited in claim 7, further comprising the step of  
2       categorizing the product within one of a plurality of weight ranges, the price of  
3       the product being a function of the weight ranges.